

# **EPA Jacket 87373-15**



4110 136TH ST CT NW  
GIG HARBOR, WA 98332  
T: (253) 853-7369  
F: (253) 853-5516  
ANN@PYXISRC.COM

June 7, 2017

COURIER DELIVERY

Richard Gebken (PM 10)  
Document Processing Desk  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: Argite, LLC  
ARG Chlorfenapyr TGAI (EPA Reg. No. 87373-15)  
Storage Stability and Corrosion Characteristics (Guidelines 830.6317 and 830.6318)  
Condition of Registration

Dear Mr. Gebken,

On behalf of Argite, LLC, I am writing to correct the record for ARG Chlorfenapyr TGAI regarding the condition of registration noted in the February 2, 2017 Notice of Pesticide Registration for submission of storage stability and corrosion characteristics data (EPA Guidelines 830.6317 and 830.6320). Argite, LLC submitted those data with the original application for registration and those data are found in MRID 49835903.

The Product Chemistry Review of TGAI dated November 22, 2016 from Indira Gairola to Carmen Rodia/Richard Gebken (Bar Code No. D432739) included a summary of the Group B (physical-chemical properties) which indicated that these two guidelines were acceptable as reported in MRID 49835903. Results for storage stability data are found in MRID 49835903 in Section 4.2, page 35 (day 0 results), in Table 7 (results of active ingredient assay of test material stored in contact with the commercial container after storage at room temperature for two weeks), and in Table 9 (results of active ingredient assay of test material stored in contact with the commercial container after storage at 54°C for two weeks). Results from the corrosion characteristics study are found in Section 4.63, pages 41-42.

Argite, LLC believes that the conditions of registration for storage stability and corrosion characteristics data (EPA Guidelines 830.6317 and 830.6320) for ARG Chlorfenapyr TGAI have been met in MRID 49835903.

Please contact me ((253) 853-7369, [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)) if you have any questions or need any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Ann M. Tillman".

Ann M. Tillman



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

87373-15

Date of Issuance:

2/2/17

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

ARG Chlorfenapyr TGAI

Name and Address of Registrant (include ZIP Code):

Ms. Ann M. Tillman  
Agent for Argite, LLC  
c/o Pyxis Regulatory Consulting, Inc.  
4110 136<sup>th</sup> St. Ct. NW  
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Richard Gebken, Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

Date:

2/2/17

2. You are required to comply with the data requirements described in the DCI identified below:
  - Chlorfenapyr GDCI-129093-1034

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 87373-15."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/17/2016

If you have any questions, please contact Katelynn E. King by phone at 703-347-0193, or via email at [king.katelynn@epa.gov](mailto:king.katelynn@epa.gov).

Sincerely,



Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

Enclosures: Master Label Stamped "Accepted", dated 02/01/2017  
Product Chemistry Review of TGAI, dated 11/22/2016  
Similarity Clinic Memorandum, dated 10/25/2016

# ARG Chlorfenapyr TGAI

TECHNICAL PRODUCT FOR FORMULATING USE ONLY

## ACTIVE INGREDIENTS:

Chlorfenapyr\* 98.2%

## OTHER INGREDIENTS:

1.8%

## TOTAL

100.0%

\*4-Bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile

## KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail)

FIRST AID	
If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents, call 1-844-685-9173, 24 hours per day, 7 days per week. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ).	

For Chemical Spill, Leak, Fire, or Exposure, call: CHEMTREC 1-800-424-9300

## Manufactured for:

Argite, LLC  
1204 Village Market Place, #273  
Morrisville, NC 27560

EPA Reg. No. 87373-RL

EPA Est. No.

Net Weight: xx lbs

**ACCEPTED**

02/02/2017

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 87373-15

Batch No.:

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes moderate eye irritation. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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### PHYSICAL AND CHEMICAL HAZARDS

DO NOT mix or store this product or solutions of this product in unlined steel or aluminum containers.

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### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.

Only for formulation into end-use products labeled for the following uses:

- 1) Ornamental crops grown in commercial greenhouses; fruiting vegetable crops grown in commercial greenhouses; in and around buildings for termite and general pest control;
- 2) Uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label;
- 3) Uses for experimental purposes that are in compliance with USEPA requirements.

Each formulator is responsible for obtaining EPA registration of their end-use product(s).

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep this product in its tightly closed original container in a cool, dry (preferably locked) area that is inaccessible to children, animals, other pesticides, or excessive heat.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**Fiber drums with liner:** Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of inner liner in a sanitary landfill or by other procedures approved by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner, or offer drum for recycling, if available.

**Kraft Bags (flexible):** Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of bag in a sanitary landfill or by other procedures approved by State and local authorities.

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### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Direction for Use of this Product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Argite, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Argite, LLC and Seller harmless for any claims relating to such factors.

Argite, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the *Directions for Use*, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Argite, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARGITE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Argite, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ARGITE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ARGITE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Argite, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Argite, LLC.

[EPA approval date]



**FEE**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION  
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

**BAR CODE No.:** D432739 **FILE SYMBOL No.:** 87373-RL **DECISION No.:** 514259; **PRODUCT NAME:** ARG Chlorfenapyr TGAI; **PC Code(s):** 129093; **ACTION CODE:** R334; **FOOD Use:** Yes

**This Document Contains Confidential Information**

**DATE OUT:** 11/22/16

**SUBJECT:** Product Chemistry Review of TGAI  
Product Name: ARG Chlorfenapyr

**FROM:** Indira Gairola / Product Chemistry Team  
CITAB/RD (7505P)

**TO:** Carmen Rodia / Richard Gebken RM 11  
IV Branch 2 / Registration Division (7505P)

**COMPANY:** Argite, LLC

**Active Ingredient(s):** Chlorfenapyr (98.2%)

**MRID No(s).** MRID No's 498359-01 to -04

**INTRODUCTION:**

Registrant is submitting registration application for subject product ARG Chlorfenapyr Technical produced by [REDACTED]. Applicant is submitting Basic CSF dated 01/17/16 and MRID #s MRID No's 498359-01 to -04 for product chemistry Group A and Group B data to support this application.

CITAB (Chemistry Team) has been asked to determine the acceptability of the aforementioned subject product chemistry data and Basic CSF 01/17/16.

**SUMMARY OF FINDINGS:**

1. Group A guidelines: 830.1550 (Product identity & composition) MRID498359-01. Data for the identity and position of the product were provided. The active ingredient "ARG Chlorfenapyr Technical" is present at a nominal concentration of 98.2%. The product chemistry data submitted corresponding to Guideline 830.1550 satisfy the data requirements of 40CFR§158.320.

830.1600 (Description of materials used to produce the product) MRID #498359-01. The registrant provided a list of suppliers and MSDSs for the materials used to produce the product. The product chemistry data submitted corresponding to Guideline 830.1600 satisfy the data requirements of 40CFR§158.325.

830.1620 (Description of production process) 498359-01. The production process by was described by [REDACTED]

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████████████████████ The product chemistry data submitted corresponding to Guideline 830.1620 satisfy the data requirements of 40CFR§ 158.330

830.1670 (Discussion on the formation of impurities). 498359-01 A discussion of the origin and mechanism formation for the impurities in the product was provided. Applicant provided analyses of all process related impurities. The Analysis was performed using validated methods of technical by HPLC/MS equipped with UV detector. External standard quantitation methods were used to quantify the levels of a.i. and associated impurities. As per CITAB No impurities of toxicological concern were detected. Data submitted corresponding to Guideline 830.1670 satisfy the data requirements of 40CFR§158.340.

830.1700 (Preliminary analysis) #498359-02. Results of a five-batch preliminary analysis were provided in. The total recovery content of a.i. ranged from 98.01%-98.4%. These values are within the certified limits specified on the CSF dated 01/17/16. The product chemistry data submitted corresponding to Guideline 830.1700 satisfy the data requirements of 40CFR§158.345.

30.1750 (Certified limits) for Basic CSF dated 01/17/16. Certified limits were provided for the active ingredient and upper certified limits were provided for the impurities in the product. Content of a.i. ranged from 95.3% -100% with an average of 98.2%. The proposed upper limit is 100 % and the lower limit is 95.3%. The product chemistry data submitted corresponding to Guideline 830.1750 satisfy the data requirements of 40CFR§158.350

830.1800 (Enforcement analytical method) MRID #498359-01 & -02. A description of the enforcement analytical method and its validation were provided. The Analysis of Dicamba sodium technical by HPLC / MS equipped with UV detector TGA were validated for specificity, linearity, accuracy, precision and intermediate precision. Average total closure of the five lots samples was reported. The product chemistry data submitted corresponding to Guideline 830.1800 satisfy the data requirements of 40CFR§158.355.  
For details please refer to the Confidential Appendix

2. Group B guidelines (physical-chemical properties) The Data submitted is listed in the following pages.

**BAR CODE No.: D432739 FILE SYMBOL No: 87373-RL DECISION No.:514259; PRODUCT NAME: ARG Chlorfenapyr TGA: PC Code(s): 129093: ACTION CODE: R334; FOOD Use: Yes**

#### **CONCLUSIONS:**

The (CITAB/ Product Chemistry Team has reviewed the product chemistry data submitted for “ARG Chlorfenapyr Technical” and concluded:

1. All product chemistry data submitted for guideline 830 Series group A are acceptable.
2. The Basic dated CSF 01/17/16 is acceptable.
3. No impurity of significant toxicological concern was identified as per CITAB, for details please refer to the Confidential Appendix and summary of findings.
4. Product chemistry data corresponding to 830 series group B (Physical-Chemical properties) are listed in the following pages.

**BAR CODE No.:** D432739 **FILE SYMBOL No.:** 87373-RL **DECISION No.:** 514259; **PRODUCT NAME:** ARG  
**Chlorfenapyr TGAI: PC Code(s):** 129093; **ACTION CODE:** R334; **FOOD Use:** Yes

Table 2: Physical and Chemical Properties: Chlorfenapyr Technical				
GLN	Requirement	MRID	Status	Result or Deficiency
830.6302	Color	498359-03	A	White
830.6303	Physical state	498359-03	A	powder
830.6304	Odor	498359-03	A	Odorless at room temperature
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	498359-03	A	The test substance is considered to degrade if the Active Ingredient content changes by greater than 5% during the greater than 5% during the test. It is considered to be stable at room temperature for 14 days
830.6314	Oxidation/reduction: chemical incompatibility	498359-03	A	Does not contain oxidizing hazard agents
830.6315	Flammability	498359-04	W	This solid product is a TGAI and will not self-ignite nor is it highly flammable.
830.6316	Explosibility	498359-04	W	This solid product is a TGAI and does not have the potential to explode; therefore it is requested that the requirement for this data be waived.
830.6317	Storage stability	498359-03	A	The weight of the samples did not change significantly after exposure to $54 \pm 2$ °C for Day 1, 2, 7 and 14.
830.6319	Miscibility	498359-03	NA	Not an emulsifiable liquid to be diluted with petroleum solvent therefore it is not required.
830.6320	Corrosion characteristics	498359-03	A	No corrosion of the commercial packages occurred after storage for 14 days at room temperature and $54 \pm 2$ °C.
830.7000	pH	498359-03	A	6.23
830.7050	UV/Visible absorption	498359-03	A	See Table below:
830.7100	Viscosity		NA	Solid
830.7200	Melting point	498359-03	A	Technical sample melts 100.7°C -101.1
830.7220	Boiling point		NA	Solid
830.7300	Density	498359-03	A	1.5521@20°C
830.7550	Octanol / water Partition coefficient	498359-03	A	(Mean of $K_{ow}$ ) = $5.01 \pm 0.3$ log
830.7950	Vapor pressure	498359-03	A	PT (at 20.0 °C) = $10^{-5.7600} = 1.74 \times 10^{-6}$ Pa
	Water solubility	498359-03	NA	61.16g / L
	Dissociation Constant	498359-03	A	Does not dissociate in water

**BAR CODE No.: D432739 FILE SYMBOL No: 87373-RL DECISION No.:514259; PRODUCT NAME: ARG Chlorfenapyr TGAI; PC Code(s): 129093; ACTION CODE: R334; FOOD Use: Yes**

The maximum absorption wavelength and molar absorption coefficients of the T item at different pH levels are shown in table 27. The spectra are presented in *Figure 30 ~ 32* respectively.

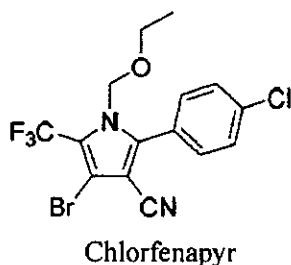
**Table 27** UV/Vis Absorption of Chlorfenapyr TGAI

pH	Conc. (g/L)	Conc. (mol/L)	$\lambda$ (nm)	Absorption (A)	$\epsilon$ (cm <sup>2</sup> mol <sup>-1</sup> )
6.70	9.93×10 <sup>-2</sup>	2.44×10 <sup>-4</sup>	197.98	0.67	27459
			261.07	0.20	8197
1.92	9.93×10 <sup>-2</sup>	2.44×10 <sup>-4</sup>	198.27	1.03	42213
			260.94	0.28	11475
11.30	9.93×10 <sup>-2</sup>	2.44×10 <sup>-4</sup>	198.25	0.48	19703
			261.30	0.16	6568

## **IDENTITY**

ARG Chlorfenapyr TGAI contains 98.2% chlorfenapyr, Chemical Code 129093 (CAS No. 122453-73-0). The CAS nomenclature is 4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethyl-1*H*-pyrrole-3-carbonitrile. The IUPAC name is 4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile. ARG Chlorfenapyr TGAI is substantially similar to Chlorfenapyr Technical (EPA Reg. No. 241-366).

The molecular formula for chlorfenapyr is C<sub>15</sub>H<sub>11</sub>BrClF<sub>3</sub>N<sub>2</sub>O and it has a molecular weight of 407.6. Its structural formula is shown below:



Chlorfenapyr is a miticide-insecticide. It is a member of the pyrrole class of miticides/insecticides that has good contact and stomach action. Chlorfenapyr acts to uncouple oxidative phosphorylation and prevents conversion of ADP to ATP in insects and as a result, the mite or insect dies from the inability to generate its own energy. Chlorfenapyr is used to control mites and insects in ornamental and fruiting vegetable grown in commercial greenhouses and as a termiticide and general pest control product in and around buildings.

**CONFIDENTIAL APPENDIX (is listed in the following pages)**



**BAR CODE No.:** D432739 **FILE SYMBOL No.:** 87373-RL **DECISION No.:** 514259; **PRODUCT NAME:** ARG Chlorfenapyr TGAI; **PC Code(s):** 129093; **ACTION CODE:** R334; **FOOD Use:** Yes

## PRELIMINARY ANALYSES

**Table 13** Five-batch Analysis of Active Ingredient in Chlorfenapyr TGAI

Batch No.	Code of test solutions	Amount weight (mg)	Peak area	Peak area of standard (mean)	Content (%)	Mean content (%)	SD (%)	RSD (%)
2015061503	1530-T1-Q-001	25.18	4316.87	4334.58	98.13	98.19	0.08	0.08
			4311.48					
	1530-T1-Q-002	25.10	4306.82		98.25			
			4303.40					
2015060712	1530-T2-Q-001	25.00	4283.14	4331.215	98.16	98.28	0.17	0.17
			4277.86					
	1530-T2-Q-002	24.94	4281.43		98.40			
			4279.79					
2015062702	1530-T3-Q-001	25.02	4281.82	4332.71	98.24	98.20	0.06	0.06
			4297.93					
	1530-T3-Q-002	25.01	4290.97		98.16			
			4277.90					
2015071201	1530-T4-Q-001	25.00	4283.20	4333.365	98.00	98.01	0.01	0.01
			4269.60					
	1530-T4-Q-002	25.08	4296.58		98.01			
			4283.63					
2015081705	1530-T5-Q-001	24.95	4297.24	4334.555	98.36	98.28	0.12	0.12
			4272.37					
	1530-T5-Q-002	24.90	4268.95		98.19			
			4268.84					

**BAR CODE No.: D432739 FILE SYMBOL No: 87373-RL DECISION No.:514259; PRODUCT NAME: ARG**  
**Chlorfenapyr TGA: PC Code(s): 129093: ACTION CODE: R334; FOOD Use: Yes**

**ENFORCEMENT ANALYTICAL METHOD**



**Appendix B.1: Test Method (ABCTM-2015-30-05)**

**1. Apparatus**

Sartorius BT 25S Electronic Balance

Agilent 1200 HPLC System with DAD

Ultrasonic Water Bath

Column ZORBAX Eclipse Plus C18, 100 mm × 4.6 mm, 3.5 µm

**2. Reagents**

Acetonitrile: HPLC grade

H<sub>3</sub>PO<sub>4</sub>: AR grade

Water: Purified

**3. Procedure**

**3.1 The Conditions of HPLC**

Mobile Phase: Phase A –Water (0.1% H<sub>3</sub>PO<sub>4</sub>)

Phase B –Acetonitrile

Isocratic: 30% Phase A + 70% Phase B

Flow Rate: 0.50 mL/min

Temperature: 30.0 °C

Signal: 260 nm

BW: 4 nm

Reference: off

Spectrum Stored: All

Injection Volume: 3.0 µL, Needle wash mode

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Analysis Time 15.00 min

1 Solution of blank

Acetonitrile

1 Chlorfenapyr standard solution

In the 50 ml volumetric flasks transfer about 25 mg, accurately weighed, of Chlorfenapyr Standard. Dissolve and make up to the volume with acetonitrile

1 Quality Control solution

Quality Control Solution will be prepared as same as the Standard Solution preparation

1 Test Item solutions (two for each batch)

In a 50 ml volumetric flask transfer about 25 mg, accurately weighed, of Test Item. Dissolve and make up to the volume with acetonitrile

1 Determination

After instrument equilibrium is reached, inject standard solution several times until the relative error of the areas of the nearest two peaks agree within 1.5%. Inject solution of blank, standard solution (R), quality control solution (QC) and Test Item solutions in the following sequence: R, QC, 2·S-1-1, 2·S-1-2, R, QC, 2·S-1-1, 2·S-1-2.

Data and Result

The retention time of Active Ingredient is about 11.3 min. Calculate the assay of Active Ingredient by the following equation

$$W'' = \frac{A}{A'} \cdot W' \cdot P$$

$$\text{Active Ingredient (\%)} = \frac{W''}{W'} \cdot 100$$

Where

$A$  is the average peak area of Active Ingredient in Test Item solution.

$A'$  is the average peak area of Active Ingredient in Chlorfenapyr standard solution;

$W'$  is the mass of Test Item.

$W''$  is the mass of Chlorfenapyr standard

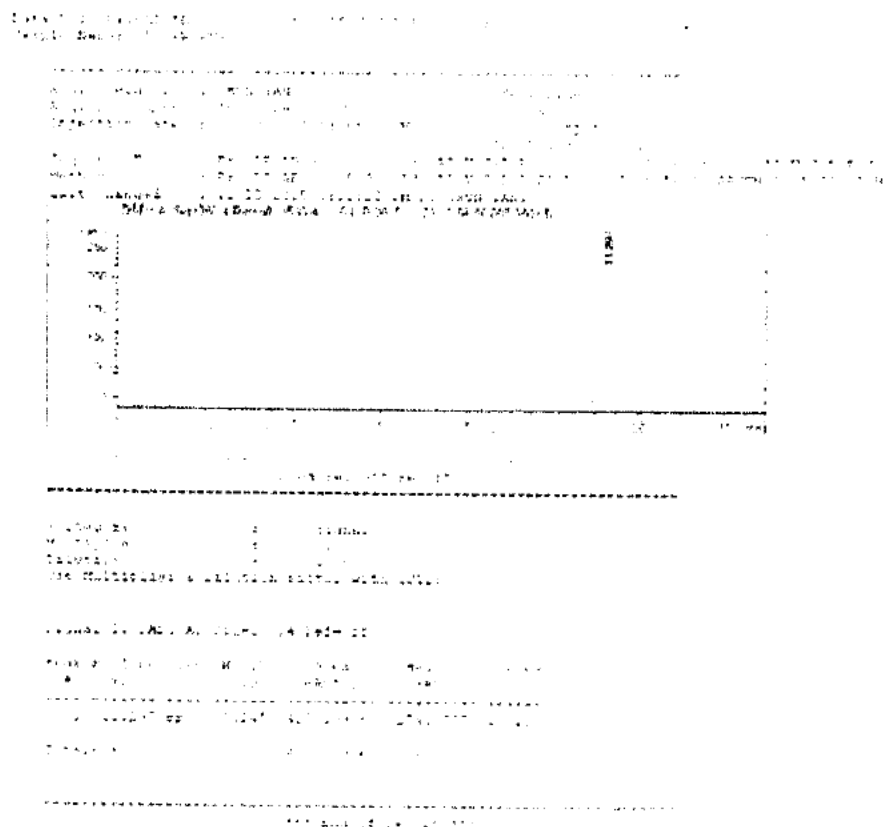
$P$  is the purity of Chlorfenapyr standard

BAR CODE No.: D432739 FILE SYMBOL No: 87373-RL DECISION No.:514259; PRODUCT NAME: ARG  
Chlorfenapyr TGAI: PC Code(s): 129093: ACTION CODE: R334; FOOD Use: Yes

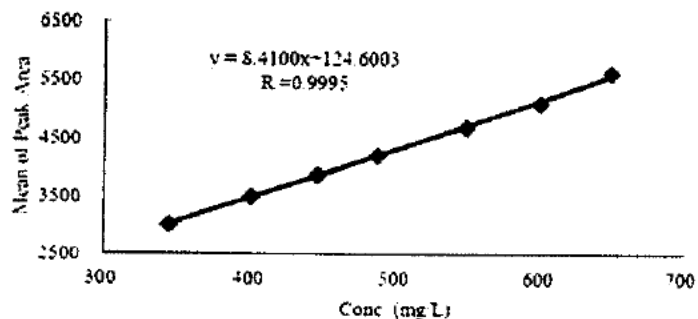
### Sample Chromatogram of Analytical Standard of Chlorfenapyr

Figure 36 Chromatogram obtained from Reference Item solution for Quantitative Analysis of Active Ingredient (specificity validation)

Test Method: ABC TM-2015-30-05



### Sample Calibration Curve for Chlorfenapyr



**BAR CODE No.:** D432739 **FILE SYMBOL No.:** 87373-RL **DECISION No.:** 514259; **PRODUCT NAME:** ARG Chlorfenapyr TGA; **PC Code(s):** 129093; **ACTION CODE:** R334; **FOOD Use:** Yes

### Summary of Method Validation for Chlorfenapyr

Component		Active Ingredient		
Test Method		ABCTM-2015-30-05		
Specificity Items	Resolution	-		
	Tailing Factor	0.92		
	Theoretical Plate Number	12045		
	Peak Purity Factor	999.951		
	Specificity	One Component		
Linearity (n=7)	Correlation Coefficient	0.9995		
	Slope	8.4100		
	y-Intercept	124.6003		
	Range (mg/L)	344.1 ~ 648.6		
Accuracy (n=7)	Conc.(mg/L)	ca. 400	ca. 500	ca. 600
	Mean Recovery	99.34	99.29	99.42
	RSD	0.31%	0.31%	0.29%
Precision (n=7)	RSD	0.19%		
Intermediate Precision (n=7)	RSD	0.18%		

**CERTIFIED LIMITS -Please refer to the CSF dated 01/17/16**

## Walsh, Michael

---

**From:** Walsh, Michael  
**Sent:** Wednesday, November 02, 2016 11:26 AM  
**To:** Rodia, Carmen; King, Katelynn  
**Subject:** Chlorfenapyr new products. 91234-RO, 91234-EG, 91234-EU. PRD Interim Decision - mitigation.  
**Attachments:** Chlorfenapyr Interim Decision - final signed.pdf

Hi Carmen and Katelynn.

I informed PRD that we were reviewing 3 new product applications for chlorfenapyr.

Debbie wants any mitigation listed in the attached interim chlorfenapyr decision document to also appear on the labels for these new products.

Below is the response I received from Meg Hathaway. Please be sure to keep this in mind as you review the labels for these products.

Thanks.

Mike

**From:** Hathaway, Margaret  
**Sent:** Wednesday, November 02, 2016 8:53 AM  
**To:** Walsh, Michael <Walsh.Michael@epa.gov>  
**Cc:** Myers, Tom <Myers.Tom@epa.gov>  
**Subject:** RE: Chlorfenapyr new products. 91234-RO

Hello Mike:

Thank you for the heads-up about these me-toos. I agree with you that these new products don't really raise red flags. However, PRD's recent Interim Decision (signed this September) includes new mitigation that needs to be added to the products these me-toos are citing. I'm not sure how RD handles situations where a new registration is citing a label that we are waiting to have updated.

Chlorfenapyr's ID includes new labeling statements that affect multiple products as well as the addition of a PF5 respirator for all mixer/loader/applicators of liquids using a mechanically pressurized handgun for greenhouse applications for fruiting vegetables (applies for 241-374). I've attached a copy for your reference.

Thanks,  
Meg

**From:** Walsh, Michael  
**Sent:** Wednesday, November 02, 2016 6:27 AM  
**To:** Hathaway, Margaret <Hathaway.Margaret@epa.gov>  
**Cc:** Myers, Tom <Myers.Tom@epa.gov>  
**Subject:** Chlorfenapyr new products. 91234-RO

Hi Meg.

Just a quick note to let you know that RD/IVB2 has several pending me-too registrations for chlorfenapyr products due this month and December.

The labels have not yet been reviewed, but I do not expect any new use patterns since this are me-too registration applications.

The use sites, rates, and restrictions on the label should match the products being cited and/or be supported by the current technical labels.

91234-EG is citing 499-548

91234-EU is citing 241-392

91234-RO is citing 241-374

Please let me know if you have any concerns about these registrations.

Thanks.

Mike  
RD/PM11

## Walsh, Michael

---

**From:** Walsh, Michael  
**Sent:** Wednesday, November 02, 2016 1:54 PM  
**To:** Rodia, Carmen; King, Katelynn  
**Cc:** McCall, Deborah; Gebken, Richard  
**Subject:** Data confirmation. Reg # 87373-RL Due 02/2017

Hi Carmen and Katelynn.

I met with Debbie earlier this week to discuss this new chlorfenapyr technical product registration, and confirmed that each MRIDs listed on the Data Matrix that was not checked by CITAB during their review will need to be checked before this action can move forward. This can be done by entering the MRID number into OPPIN, confirming that it was accepted by the Agency for chlorfenapyr, and tracking the results on a spreadsheet or Table will be the best way to document confirmation. I will setup a brief meeting to discuss this next step.

Thank you for the update.

Mike

**From:** Rodia, Carmen  
**Sent:** Friday, October 28, 2016 2:05 PM  
**To:** King, Katelynn <King.Katelynn@epa.gov>  
**Cc:** McCall, Deborah <McCall.Deborah@epa.gov>; Gebken, Richard <Gebken.Richard@epa.gov>; Walsh, Michael <Walsh.Michael@epa.gov>  
**Subject:** RE: PM Review Requested Reg # 87373-RL Due 02/2017

Katelynn, I also went through this label for you and added a number of additional comments that you should have the registrant incorporate into a further amended proposed master label that you can use to out-process the new product registration once you have received the product chemistry review. Hopefully we will be able to get this one out early too. Regards, Carmen.

*Carmen J. Rodia, Jr.*

Carmen J. Rodia, Jr.  
Environmental Protection Specialist  
U.S. EPA, Office of Pesticide Programs,  
Registration Division, Invertebrate & Vertebrate Branch 2  
1200 Pennsylvania Avenue, NW (7504P)  
Washington, DC 20460-0001  
(703) 306-0327 (tel)  
(703) 308-0029 (fax)  
[Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov)

**From:** King, Katelynn  
**Sent:** Thursday, October 27, 2016 11:54 AM  
**To:** Rodia, Carmen <[Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov)>  
**Subject:** PM Review Requested Reg # 87373-RL Due 02/2017

Hi Carmen,

Please see the label comments that I have attached to this email and please let me know if you have any further comments for me to add to this label before I send it to the registrant for changes. Thanks.

Katelynn

To: [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)  
Subj: 87373-RL Label Review

Dear Ms. Tillman,

I am currently reviewing your new product application for AGR Chlorfenapyr TGA. Please find a version of the label attached to this email with my comments. Please let me know if you have any questions.

Thank you.

**Katelynn King**  
Biologist, Registration Division, IVB2 (7505P)  
US Environmental Protection Agency  
Office: (703) 347-0193





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND  
POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS  
REGISTRATION DIVISION

25/OCT/2016

SIMILARITY CLINIC MEMORANDUM

Subject: Name of Pesticide Product: ARG Chlorfenapyr TGAI  
EPA Reg. No. /File Symbol: 87373-RL  
DP Barcode: D432741  
Decision No: 514259  
Action Code: R334  
PC Code: 129093 (chlorfenapyr)

From: Eugenia McAndrew, Biologist *Eugenia McAndrew*

Through: John C. Redden, M.S., Senior Risk Assessor  
Chemistry, Inerts and Toxicology Assessment Branch  
Registration Division (7505P)

To: Carmen Rodia, Risk Management Team 11  
Invertebrate and Vertebrate Branch 2  
Registration Division (7505P)

Applicant: Argite, LLC  
1204 Village Market Place, #273  
Morrisville, NC 27560

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Chlorfenapyr	98.2
Other ingredients:	1.8
Total:	100.0

**ACTION REQUESTED:** Risk Manager requests review of acute toxicity data citations for propose technical product, 87373-RL.

**BACKGROUND:** Argite, LLC has applied for registration of ARG Chlorfenapyr TGAI, EPA File Symbol 87373-RL, claiming to be substantially similar to Chlorfenapyr Technical, EPA Reg. 241-366. Both products are technical product for manufacturing use only. The submission includes a basic CSF dated January 17, 2016, label, data matrix and company letter.

The registrant is using the selective method of data support to satisfy the acute toxicity data requirements. The data matrix cites studies with MRIDs 427702-07 to -12. A search of the OPP electronic databases shows that the results of these studies can be found in a Health Effects Division memo titled "Chlorfenapyr - Second Report of the Hazard Identification Assessment Review Committee" (Kidwell; TXR No. 0051606; 04/MAR/2003). The jacket for 241-366 shows that these studies, all conducted on technical grade chlorfenapyr, were listed on the data matrix submitted at the time of registration.

#### **RECOMMENDATIONS:**

1. We compared the basic CSFs and labels for the proposed product, 87373-RL, and the cited product, 241-366, and determined that the two products are substantially similar. The cited acute toxicity data may be used to support this registration.
2. The acute toxicity profile for the proposed product, ARG Chlorfenapyr TGAI, EPA File Symbol 87373-RL, is as follows:

acute oral toxicity	II	cited	MRID 42770207
acute dermal toxicity	III	cited	MRID 42770208
acute inhalation toxicity	III	cited	MRID 42770209
primary eye irritation	III	cited	MRID 42770210
primary skin irritation	IV	cited	MRID 42770211
dermal sensitization	negative	cited	MRID 42770212

3. The proposed basic CSF submitted for 87373-RL must be reviewed and accepted by the product chemists in the Chemistry, Inerts and Toxicology Assessment Branch.

**LABELING:** Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System:

**PRODUCT ID #:** 087373-00015

**PRODUCT NAME:** ARG Chlorfenapyr TGAI

**PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** WARNING

**Hazards to Humans and Domestic Animals:**

May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**First Aid:**

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If inhaled:

- Move the person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

Decision Seq: 514259 Action Code: R334,NEW PRODUCT;MUP OR END USE PRODUCT WITH UNRE...

FFS Start Date: 16-Mar-2016 Tentative Ind: No  FQPA Clock:

Due Date: 16-Feb-2017 75-Day Due Date: Days Elapsed:

OPP Target Due Date: 21-Day Due Date: 16-Mar-2016 FFS Original Decision: ...

Negotiated Due Date: 90-Day Due Date: 14-Jun-2016

Registrant  Predecisional Due Date: 02-Feb-2017 Add to Bundle? ☐

Current Status: PENDING (25-Feb-2016) Bundle ID:

Decision Status

Tracking

Create Resubmission

FFS Letters

Water Documentation

Action Code History

Secondary Decision

Decision Bundle

  Primary Decisions Decision Milestone         

Receipts	Staff Member	Reg/DCI Number	Submission Due Dt	Response
<input type="button" value="ID"/> S:981749	Rodila, Carmen	... 87373-RL	16-Feb-2017	PENDING

Initial application for registration for new chlorfenapyr TGAI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

# Note to File

**Date:** March 11, 2016

**Registration File Symbol:** 87373-RL

**PRIA Code:** R334; New product; MUP or End use product with unregistered source of the active ingredient; requires science data review; new physical form; etc. Selective data citation; 11 month timeframe; \$19,838

**Decision Number:** 514259

**PM Name:** Michael Walsh, RD/IVB2, Tel: 308-2972

## **Background:**

- This is a new chlorfenapyr TGAI product.
- No exclusive use rights apply for the active ingredient or its uses. Minor Use Team Leader also consulted. Branch manager also consulted regarding exclusive use. See attached documents, including email from OGC/Erin Koch dated 3/3/2016.
- Approved labels dated 1/19/2001, 2/8/2001, 9/25/2003, and 10/2/2009 were also checked to confirm when use sites added to the label and information in OPPIN.
- A PRIA R334 can include a new physical form. The CSF was checked, the label reviewed, and the Agent was contacted regarding the formulation. The formulation type is not a new physical form. See email from Agent dated 3/9/2016.

## **Decision:**

- Continue processing application.

Note to File; EPA File Symbol: 87373-RL; Decision Number: 514259; March 11, 2016

## Walsh, Michael

---

**From:** Ann Tillman <Ann@PyxisRC.com>  
**Sent:** Wednesday, March 09, 2016 4:27 PM  
**To:** Walsh, Michael  
**Subject:** RE: 87373-RL. Physical form.

Michael,

The application is for a technical grade active ingredient (TGAI) with an unregistered source of active ingredient. It will be used to prepare end use product formulations. I usually refer to MUP products as products that are lower in purity than a TGAI and are most often diluted with solvent or water to be used to formulate end use products. So this product, per my definition is a technical grade product and not an MUP. It is not a new physical form compared to the registered chlorfenapyr technical.

Ann

*Ann M. Tillman, Ph.D.  
Pyxis Regulatory Consulting, Inc.  
4110 136<sup>th</sup> St. NW  
Gig Harbor, WA 98332  
Office (253) 853-7369  
Fax (253) 853-5516  
Email [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)*

**From:** Walsh, Michael [mailto:Walsh.Michael@epa.gov]  
**Sent:** March 09, 2016 3:39 PM  
**To:** Ann Tillman <Ann@PyxisRC.com>  
**Subject:** 87373-RL. Physical form.

Dear Ms. Tillman:

I am currently in-processing your new product application for Argite's chlorfenapyr TGAI.

Before putting the action into review, I wanted to confirm that your application is for a new MUP product with an unregistered source of the active ingredient, and that you are not proposing a new physical form as part of the action.

Please let me know.

Thank you for your prompt attention to this matter.

Michael Walsh  
Product Manager 11  
Invertebrate & Vertebrate Branch 2  
Registration Division  
Office of Pesticide Programs  
U.S. EPA

## **Walsh, Michael**

---

**From:** Koch, Erin  
**Sent:** Thursday, March 03, 2016 1:53 PM  
**To:** Walsh, Michael  
**Subject:** RE: Chlorfenapyr. Exclusive use. New tech product.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Mike,

You conclusion looks right to me. But check the data submitter's list just to verify that all your dates below are correct.

Thanks,  
Erin

**From:** Walsh, Michael  
**Sent:** Thursday, March 03, 2016 1:04 PM  
**To:** Koch, Erin <Koch.Erin@epa.gov>  
**Subject:** Chlorfenapyr. Exclusive use. New tech product.

Hi Erin.

RD has an application for a new chlorfenapyr technical grade active ingredient (TGA / Technical) product. So, I am seeking your determination on exclusive use rights for the active ingredient, chlorfenapyr.

It appears as though BASF's exclusive rights period is over. According to OPPIN, their chlorfenapyr technical product was registered on 1/19/2001 with a Fruiting Vegetable Group 8 tolerance established on 9/26/2003 and a growing crops tolerance established on 1/26/2005.

Am I correct in believing that BASF no longer has exclusive use rights for the active ingredient or its uses, and that I can proceed with the new Technical product registration?

Please see the attached information.

Thank you for your help.

Mike  
RD/IVB2



## Pesticide Registration

# Petitions Requesting to Extend the Exclusive Use Period for an Active Ingredient

## Petitions Requesting to Extend the Exclusive Use Period for an Active Ingredient - FIFRA § 3(c)(1)(F)(ii)

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Acetamiprid	8/11/2008 6/2/2009	4/6/2010	Granted	3/15/2012
Azoxystrobin	9/1/2006	1/16/2009	Granted	2/7/2010
Boscalid	8/2/2007	11/21/2011	Granted	7/23/2016
Buprofezin	9/2007	8/20/2012	Granted	9/7/2013
Carfentrazone-ethyl	4/14/2008	9/9/2009 10/4/2011	Granted Granted	9/30/2010 9/30/2011
Chlorantraniliprole (Rynaxypyr)	1/5/2011 1/29/2007	1/14/2016 Superseded by 1/5/2011	Granted	4/25/2021
Clethodim	4/28/2000	9/27/2000		
Clothianidin	11/11/2011	8/16/2012	Granted	5/30/2016
Cyantraniliprole	3/14/2014	7/16/2015	Granted	1/24/2027
Cyazofamid	9/4/2013 9/6/2013	9/25/14	Granted	11/9/2017
Cymoxanil	10/19/2007	11/16/2010	Granted	5/6/2009
Cyprodinil	2/1/2008	4/21/2010	Granted	4/10/2010
Dinotefuran	5/13/2013	2/28/2014	Granted	9/17/2017
Etoxazole	8/11/2010	4/20/2012	Granted	8/22/2015
Famoxadone	10/19/2007	Pending		
Fenhexamid	5/12/2009	12/8/2009 6/19/2006	Denied Denied	
Fenpyroximate	9/9/2013	11/25/2014	Granted	4/27/2017
Fluazinam	10/15/2010	8/9/2011	Granted	8/10/2014
Fludioxonil	1/29/2004	11/1/2005	Granted, In Part	10/5/2007
Flumioxazin	8/15/2008	12/16/2008	Granted	4/12/2014
Forchlorfenuron	10/17/2014	1/8/2016	Withdrawn	2/2/2015
Indoxacarb	10/16/2007	9/10/2009	Granted	10/30/2013
Mesotrione	1/15/2009	5/11/2012	Granted	6/4/2014
Metconazole	12/27/2013	1/20/2015	Granted	9/28/2020



<b>Chemical</b>	<b>Date Request Received</b>	<b>Date of Response</b>	<b>Granted/Denied</b>	<b>End Date for Exclusive Use</b>
Prothioconazole	5/5/2014	6/3/2015	Granted	3/27/2020
Pyraclostrobin	8/2/2007	1/11/2012	Granted	9/30/2015
Pyriproxyfen	4/11/2002	6/21/2004	Granted	9/15/2008
Quinoxifen	7/2/2008	Pending		
S-metholachlor	2/15/2005	9/15/2009	Denied	9/15/2009
Saflufenacil	12/15/2014	01/05/2016	Granted	09/03/2022
Spinosad	9/19/2003	10/22/2010	Granted	8/30/2010
Spirodiclofen	10/17/2012	7/19/2013	Granted	6/30/2018
Spiromesifen	11/14/2007	9/10/2009	Granted	5/3/2018
Spirotetramat	9/23/2013	12/19/2014	Granted	2/4/2022
Sulfentrazone	7/26/2006	6/11/2007	Granted	2/27/2009
Tetraconazole	5/19/14	4/8/2015	Granted	4/14/2016

Last updated on March 2, 2016

**Tolerance Petitions Information For**  
**Ingredient**  
**129093 / 122453-73-0 / Chlorfenapyr**

Petition #	Name	Company #	Company Name	Current Status
3F6560		241	BASF CORPORATION	Completed (26-Jan-2005) <i>FOOD HANDLING ESTABLISH.</i>
3G4223		241	BASF CORPORATION	Completed (17-Mar-1995) <i>COTTONSEED</i>
5F4456		241	BASF CORPORATION	Inactive - Withdrawn (15-Mar-2000) <i>COTTONSEED MEAT MEU</i>
5G4507		241	BASF CORPORATION	Completed (05-Feb-1996) <i>TEMP TOL ORANGES/LEMONS</i>
5G4523		241	BASF CORPORATION	Completed (05-Jun-1996) <i>TEMP TOL HEAD LETTUCE</i>
5G4548		959177	American Cyanamid Co.	Completed (05-Jun-1996) <i>TEMP TOL CABBAGE</i>
5G4574		241	BASF CORPORATION	Completed (09-May-1996) <i>TEMP TOL TOMATOES</i>
6E4683		241	BASF CORPORATION	Pending - Under Review (27-Feb-1996) <i>TEMP TOL CITRUS</i>
6F4623		241	BASF CORPORATION	Pending - Under Review (02-Nov-1995) <i>CITRUS</i>
6F4716		241	BASF CORPORATION	Completed (25-Sep-2003) <i>FRUITING VEG IN COMM. GREENHOUSES</i>
8F4980	<i>MILK MILK FAT</i>	<i>MEAT + BYPROD</i> 241	BASF CORPORATION	Pending - Under Review (14-May-1998)
8G4932		<i>MEAT + BYPROD</i> 241	BASF CORPORATION	Inactive - Withdrawn (03-Dec-2003)
Total Rows: 12				



## Pesticide Registration

# Petitions Filed to Establish New Exclusive Use Periods for a Specific Commodity

Current as of June 2015

Petitions Filed to Establish a New Exclusive Use Period for a Specific Commodity- FIFRA § 3(c)(1)(F)(vi)

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Cyprodinil	12/2/2014			
	3/31/2015			
	10/3/2006	8/29/2013	Granted	10/3/2016
Difenoconazole	12/18/2009	8/29/2013	Granted	12/18/2019
	12/26/2013	6/1/2015	Partially Granted	10/29/2024
	10/29/2014			
Fenpropathrin	3/15/2005	9/25/2006	Denied	
Halosulfuron	6/3/2009	9/10/2009	Denied	
Fluridone	8/29/2014	2/12/2016	Granted	8/29/2024
Quinoxifen	7/2/2008	9/25/2009	Denied	
Thiabendazole	2/19/2014	9/25/2014	Granted	3/18/2023

Last updated on March 2, 2016

**Tolerances Information For Ingredient  
129093 / 122453-73-0 / Chlorfenapyr**

Commodity	Tolerance Granted (ppm)	Current Status	Tolerance Type	CFR 40 Citation	Tolerance Expression
CATTLE, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
CATTLE, MEAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
CATTLE, MEAT BYPRODUCTS		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
COTTON, GIN BYPRODUCTS		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
COTTON, UNDELETED SEED		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
FOOD COMMODITIES	0.010	<u>Active - Established (26- Jan-2005)</u>	Permanent Tolerance	180.513	
GOAT, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
GOAT, MEAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
GOAT, MEAT BYPRODUCTS		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
HOG, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
HOG, MEAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
HOG, MEAT BYPRODUCTS		<u>Inactive - Revoked (23-</u>	Permanent Tolerance	180.513	

		<u>May-2002)</u>			
HORSE, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
HORSE, MEAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
HORSE, MEAT BYPRODUCTS		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
MILK		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
MILK, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
SHEEP, FAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
SHEEP, MEAT		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
SHEEP, MEAT BYPRODUCTS		<u>Inactive - Revoked (23- May-2002)</u>	Permanent Tolerance	180.513	
VEGETABLE, FRUITING, GROUP 8	1.000	<u>Active - Established (26- Sep-2003)</u>	Permanent Tolerance	180.513	
Total Rows: 21					

**ELECTRONIC CODE OF FEDERAL REGULATIONS****e-CFR data is current as of March 1, 2016**

Title 40 → Chapter I → Subchapter E → Part 180 → Subpart C → §180.513

Title 40: Protection of Environment

PART 180—TOLERANCES AND EXEMPTIONS FOR PESTICIDE CHEMICAL RESIDUES IN FOOD

Subpart C—Specific Tolerances

**§180.513 Chlorfenapyr; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide chlorfenapyr [4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile] in or on the following raw agricultural commodities:

Commodity	Parts per million
Vegetable, fruiting, group 8	1.0

(2) A tolerance of 0.01 parts per million is established for residues of chlorfenapyr in or on all food commodities (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling areas where food/feed products are prepared, held, processed, or served and in accordance with the following prescribed conditions:

(i) Application shall be no greater than a 0.5% active ingredient solution for spot crack and crevice use in food/feed handling establishments, where food and food products are held, processed, prepared and/or served.

(ii) Application may only be undertaken when the facility is not in operation, and provided exposed food has been covered, or removed from the area being treated prior to application.

(iii) Food contact surfaces and equipment should be thoroughly washed with an effective cleaning compound, and rinsed with potable water after each use of the product.

(iv) Contamination of food or food contact surfaces shall be avoided. Application excludes any direct application to any food, food packaging, or any food contact surfaces.

(v) To assure safe use, the label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 55527, Sept. 26, 2003, as amended at 70 FR 3654, Jan. 26, 2005]

Need assistance?

**Pending and Active Registrations For**  
**Ingredient**  
**129093 / 122453-73-0 / Chlorfenapyr**

Registration #	Registration Name	Company #	Company Name	Current Status	% of Active Ingredient
241-366	CHLORFENAPYR TECHNICAL	241	BASF CORPORATION	<u>Active - Conditionally Registered</u> (19-Jan-2001)	97.1
241-GAI	ALERT /AC 303,630 2SC INSECTICIDE-MITICIDE	241	BASF CORPORATION	<u>Pending - Under Review</u> (14-Dec-1994)	21.44
241-374	PYLON MITICIDE-INSECTICIDE	241	BASF CORPORATION	<u>Active - Conditionally Registered</u> (19-Jan-2001)	21.4
241-392	PHANTOM TERMITICIDE-INSECTICIDE	241	BASF CORPORATION	<u>Active - Conditionally Registered</u> (21-Dec-2001)	21.45
241-GOO	Chlorfenapyr 25WP Termiticide-Insecticide	241	BASF CORPORATION	<u>Pending - Under Review</u> (29-Oct-1998)	25
499-544	TC-307	499	BASF CORPORATION	<u>Active - Conditionally Registered</u> (07-Jul-2011)	4.5
499-548	TC-314	499	BASF CORPORATION	<u>Active - Conditionally Registered</u> (08-Nov-2011)	.5
499-556	TC-326	499	BASF CORPORATION	<u>Active - Conditionally Registered</u> (12-Jan-2012)	.5
7969-285	PRESCRIPTION TREATMENT BRAND	7969	BASF	<u>Active - Registered</u>	.5

	PHANTOM PRESSURIZED INSECTICIDE		CORPORATION	(23-Jan-2009)	
43813-UN	MEGANIUM TECHNICAL	43813	JANSSEN PMP	<u>Pending - Under Review (22-Mar- 2004)</u>	97.1
87373-RL	ARG Chlorfenapyr TGAI <i>THIS NEW PRODUCT</i>	87373	ARGITE, LLC	<u>Pending - Under Review (24-Feb- 2016)</u>	98.2
241-EUP-126		241	BASF CORPORATION	<u>Active - Issued (17- Mar-1995)</u>	30.83
241-EUP-128		241	BASF CORPORATION	<u>Active - Issued (18- Jan-1995)</u>	21.44
241-EUP-136		241	BASF CORPORATION	<u>Active - Issued (01- Apr-1996)</u>	23.8
241-EUP-RGI		241	BASF CORPORATION	<u>Pending - Under Review (31-Jul-1996)</u>	30
241-EUP- RGO		241	BASF CORPORATION	<u>Pending - Under Review (31-Jul-1996)</u>	20
241-EUP-141		241	BASF CORPORATION	<u>Active - Issued (24- Jan-2003)</u>	21.44
Total Rows: 17					





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

February 29, 2016

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

PYXIS REGULATORY CONSULTING, INC.  
ARGITE, LLC  
4110 136TH STREET CT NW  
GIG HARBOR , WA 98332-9122

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 24-FEB-16. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

February 25, 2016

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OPP Decision Number: D-514259  
EPA File Symbol or Registration Number: 87373-RL  
Product Name: ARG Chlorfenapyr TGAI  
EPA Receipt Date: 24-Feb-2016  
EPA Company Number: 87373  
Company Name: ARGITE, LLC

ANN TILLMAN  
PYXIS REGULATORY CONSULTING, INC.  
ARGITE, LLC  
4110 136TH STREET CT NW  
GIG HARBOR, WA 98332-9122

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R334

NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF  
THE ACTIVE INGREDIENT;REQUIRES SCIENCE DATA REVIEW;NEW PHYSICAL  
FORM;SELECTIVE DATA CITATION;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee  
Ombudsman at (703) 308-9362.

Sincerely,  
*Peresa Downs*  
Front End Processing Staff  
Information Technology & Resources Management Division

# Fee for Service

*W*  
{981749V~

This package includes the following

☒ New Registration

☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: \_\_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

10

Receipt No.

S-

981749

EPA File Symbol/Reg. No.

87363-RL

Pin-Punch Date:

2/24/2016

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

R334

Granted:

R334

Amount Due: \$ 19,838

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐

Uncleared Inert in Product

Reviewer:

*M. Ca*

Date: 2/25/14

Remarks:

DOCUMENTUM

Receipt for Section 3

S: 981749

Milestone Email: Ann@PyxisRC.com

Regulatory Type: Product Registration - Section 3

Application Type: New Registration

Company: 87373 ARGIE LLC

Risk Manager: Registration Division Risk Management Team 10

Product#: 87373-RL

Product Name: ARG Chlorfenapyr TGA

Me Too  
Section: 241-356

Me Too Product  
Name: CHLORFENAPYR TECHNICAL

Application Date: 19-Feb-2016

OPP Rec'd Date: 24-Feb-2016

Front End Date: 24-Feb-2016

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Is Organic?

New Ingredient?

Receipt Description:

Portal submission # 10172. Application for new registration.

Print Letter

Enter More Information

Tracking

Receipt Content

Study

CSF

View/Edit

**Ann Tillman**

---

**From:** notification@pay.gov  
**Sent:** February 19, 2016 10:26 AM  
**To:** Brooke Hedrick  
**Subject:** Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact Michael Yanchulis at (703) 347-0237 or [yanchulis.michael@epa.gov](mailto:yanchulis.michael@epa.gov).

Application Name: PRIA Service Fees  
Pay.gov Tracking ID: 25Q1C6Q2  
Agency Tracking ID: 74962182429  
Transaction Type: Sale  
Transaction Date: 02/19/2016 10:25:42 AM EST

Account Holder Name: Brooke Hedrick

Transaction Amount: \$19,838.00  
Card Type: Visa  
Card Number: \*\*\*\*\*4032

Registration Number:  
Company Name: Argite, LLC  
Company Number: 87373  
Action Code: R334

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

DOCUMENTUM

**21-Day Screen Completed by**  
**Contractor**

Waiting  
for data  
3/2/16

**21-Day Expires on** 3/16/16

**Jacket #** 87373-RL

**MRID#** 498359

**Content Screen:** Recommend to Pass/Fail

**11-3 Review:** Pass/Fail/NA

**Overall Status:** Recommend to Pass/Fail

**Transfer This Jacket to:**

Steve Schaible

**Memorandum E-SUBMISSION**Date: 3/1/16To: PM 10, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

**We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.**

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission  
☐ partially accepted submission  
☐ rejected submission

# Completion of 21-Day Content Screen

PM- 10

EPA Reg. # (File Symbol) 87373-RL

Decision # D

Data package delivered to  
you on 3/2.  
(date)

Jacket/Mini-jacket will be  
transferred to you today.  
(Pick up from Document Center)

Thank you,

Registration Division's 21-Day Content Team

*NEW MOP; UNREG SOURCE; SELECTIVE CITATION*

R334

11 mos

#18,893-

CARMEN RODIA  
CITLOZFENAPYR



# PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 2-24-16

Experts In-Processing Signature: B.B. Date 2-26-16 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date \_\_\_\_\_

EPA Reg. Number: <u>87373-RL</u>		EPA Receipt Date: <u>2-24-16</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A) <i>No Inerts to review</i>	yes	no			
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	X				
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

\* Documentation: Pass / Fail

- Required forms are complete

\* Inventories: Pass / Fail

- no items to review

\* PRN 11-3: Pass / Fail

HRZO: 498359

JL 3-1-16

\* Overall Status: Pass / Fail

\* N/A – Not Applicable

#### Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the inert Web site and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at [inertsbranch@epa.gov](mailto:inertsbranch@epa.gov) and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch.

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

#### **All applications except conventional new products and PIPs**

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

#### **Conventional New Product Applications**

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

#### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

PYXIS REGULATORY CONSULTING, INC.

4110 136<sup>th</sup> St. Ct. NW  
Gig Harbor, WA 98332

Phone: 253-853-7369  
Fax: 253-853-5516  
www.PyxisRC.com

February 24, 2016

MRID 498359-00

ELECTRONIC SUBMISSION

Richard Gebken (PM 10)  
Document Processing Desk (**REGFEE**)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: Argite, LLC  
ARG Chlorfenapyr TGAI (EPA File Symbol 87373- )  
Application for New Pesticide Registration  
PRIA Category R334

Dear Mr. Gebken,

On behalf of Argite, LLC, we are submitting an application for registration of ARG Chlorfenapyr TGAI, a technical grade active ingredient. In support of this application, we submit the following documents:

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4)
3. Certification with Respect to Citation of Data (EPA Form 8570-34)
4. Agency Internal Use Copy of the Data Matrix (EPA Form 8570-35)
5. Public File Copy of the Data Matrix (EPA Form 8570-35)
6. One (1) copy of the proposed labeling
7. Copy of PRIA payment
8. Letter of Authorization
9. Product Specific Data:

MRID	Guideline	Report Title
49835901	830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.1800	Tillman, A. M. Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, Certified Limits and Enforcement Analytical Method for ARG Chlorfenapyr TGAI. <i>Contains Confidential Business Information.</i>
49835902	830.1700, 830.1800	Zhang, Y. Five-Batch Analysis of Chlorfenapyr TGAI – Validation of Analytical Methodology for the Assay of Active Ingredient and Subsequent 5-Batch Analysis of the Test Item. <i>Contains Confidential Business Information.</i>

DOCUMENT

MRID	Guideline	Report Title
49835903	830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6317, 830.6320, 830.7000, 830.7050, 830.7200, 830.7300, 830.7370, 830.7550, 830.7840, 830.7950	Zhang, Y. Physical and Chemical Characterization of Chlorfenapyr TGAI. Color, Physical State, Odor, Stability, Oxidation/Reduction, pH, UV/Visible Absorption, Melting Point, Density, Dissociation Constant, Partition Coefficient, Solubility and Vapor Pressure.
49835904	830.6315, 830.6316, 830.7100, 830.7520	Tillman, A. M. ARG Chlorfenapyr TGAI: Physical and Chemical Property Waiver Requests.

We would like to note that Argite, LLC is using the selective method of data support. As per EPA's interpretations of (40 C.F.R. §§ 152.90 – 152.96, Argite, LLC submitted notices of intent to apply and offers to pay to the extent required by FIFRA § 3(c)(1)(F). This action falls under PRIA category R334 (53: New manufacturing use product; unregistered source of active ingredient; selective data citation). The fee for this action is \$19,838 and has been paid.

Please contact me ((253) 853-7369, [Ann@PyxisRC.com](mailto:Ann@PyxisRC.com)) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman

Enclosures



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

Registration  
Amendment  
Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number Argite, LLC/87373	2. EPA Product Manager R. Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Argite, LLC/ARG Chlorfenapyr TGA1	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Argite, LLC c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. Ct. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>241-366</u> Product Name <u>Chlorfenapyr Technical</u>	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

This application falls under Category R334 (53: New manufacturing use product; unregistered source of active ingredient; selective data citation). The fee which has been paid is \$19,838.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input checked="" type="checkbox"/> Other (Specify) <u>PE lined corrugated drums</u>	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 25 kg		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Ann M. Tillman		Title Agent	
		Telephone No. (Include Area Code) (253) 853-7369	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Consultant <b>DOCUMENTUM</b>	
4. Typed Name Ann M. Tillman		5. Date Feb. 24, 2016	

Digitally signed by Ann M. Tillman  
DN: cn=Ann M. Tillman, o=Pyxis  
Regulatory Consulting, Inc.,  
ou=Pyxis,  
email=Ann@PyxisRC.com, c=US  
Date: 2016.02.23 11:46:38 -0500





1204 Village Market Place #273 | Morrisville, NC 27560 | (984) 664-9804 phone | (984) 664-9814 fax

February 2, 2016

To Whom It May Concern:

RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Janelle Kay, Mike Kellogg, Ann Tillman, Leanne Pruett, Maryanne Geisbush, Nicole O'Loughlin, and Nicki Purnell of Pyxis Regulatory Consulting, Inc. are authorized to act as agent for Argite, LLC. (EPA Company Number 87373), before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Brooke Hedrick  
Regulatory Manager & Project Management  
Argite, LLC





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Argite, LLC c/o Pyxis Regulatory Consulting 4110 136th St. Ct. NW Gig Harbor, WA 253-8537369	EPA Registration Number/File Symbol 87373
Active Ingredient(s) and/or representative test compound(s) Chlorfenapyr	Date Feb. 24, 2016
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) TGAI	Product Name ARG Chlorfenapyr TGAI

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Digitally signed by Ann M. Tillman  
 DN: cn=Ann M. Tillman, o=Pyxis  
 Regulatory Consulting, Inc., ou=Pyxis,  
 email=Ann@PyxisRC.com, c=US  
 Date: 2016.02.23 11:47:42 -05'00'

Date

Feb. 24, 2016

Typed or Printed Name and Title

Ann M. Tillman, Agent

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401 M Street, S.W.  
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## DATA MATRIX

Date Feb. 19, 2016

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Applicant's/Registrant's Name &amp; Address

Argite, LLC  
1204 Village Market Place, #273  
Morrisville, NC 27560

Product

ARG Chlorfenapyr TGA1

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Product Specific Data</b>					
830.1550	Product Identity and Composition	49835901	Argite, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	49835901	Argite, LLC	OWN	
830.1620	Description of Production Process	49835901	Argite, LLC	OWN	
830.1650	Description of Formulation Process				Not required <sup>1</sup>
830.1670	Discussion of Formation of Impurities	49835901	Argite, LLC	OWN	
830.1700	Preliminary Analysis	49835902	Argite, LLC	OWN	
830.1750	Certified Limits	49835901	Argite, LLC	OWN	
830.1800	Enforcement Analytical Method	49835901	Argite, LLC	OWN	
		49835902	Argite, LLC	OWN	
830.6302	Color	49835903	Argite, LLC	OWN	
830.6303	Physical State	49835903	Argite, LLC	OWN	
830.6304	Odor	49835903	Argite, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49835903	Argite, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49835903	Argite, LLC	OWN	
830.6315	Flammability	49835904	Argite, LLC	OWN	Waiver <sup>2</sup>
830.6316	Explosibility	49835904	Argite, LLC	OWN	Waiver <sup>3</sup>
830.6317	Storage Stability	49835903	Argite, LLC	OWN	

Signature



DOCUMENTUM

Name and Title

Ann M. Tillman, Agent

Date

Feb. 19, 2016

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Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product ARG Chlorfenapyr TGAI	

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6319	Miscibility				Not required <sup>4</sup>
830.6320	Corrosion Characteristics	49835903	Argite, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not required <sup>5</sup>
830.7000	pH	49835903	Argite, LLC	OWN	
830.7050	UV/Visible Absorption	49835903	Argite, LLC	OWN	
830.7100	Viscosity				Not required <sup>6</sup>
830.7200	Melting Point/Melting Range	49835903	Argite, LLC	OWN	
830.7220	Boiling Point/Boiling Range				Not required <sup>7</sup>
830.7300	Density/Relative Density/Bulk Density	49835903	Argite, LLC	OWN	
830.7370	Dissociation Constants in Water	49835903	Argite, LLC	OWN	
830.7520	Particle size, fiber length, diameter distribution	49835904	Argite, LLC	OWN	Waiver <sup>8</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49835903	Argite, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49835903	Argite, LLC	OWN	
830.7860	Water Solubility, Generator Column Method				See 830.7840

Signature



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Ann M. Tillman, Agent

Date

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Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product ARG Chlorfenapyr TGA!	

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7950	Vapor Pressure	49835904	Argite, LLC	OWN	
870.1100	Acute Oral Toxicity: Rat	42770207 42884201 43492824 43492825 43492826 43492827 43492828		OLD OLD OLD OLD OLD OLD OLD	
870.1200	Acute Dermal Toxicity: Rat	42770208		OLD	
870.1300	Acute Inhalation Toxicity: Rat	42770209		OLD	
870.2400	Primary Eye Irritation: Rabbit	42770210		OLD	
870.2500	Primary Dermal Irritation	42770211		OLD	
870.2600	Dermal Sensitization	42770212		OLD	

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Applicant's/Registrant's Name & Address		Product			
Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560		ARG Chlorfenapyr TGA1			
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Generic Data</b>					
850.2100	Acute Avian Oral Toxicity	42770228		OLD	See endnote <sup>9</sup>
		42770227			
		43887004			
		43492809			
		43492808			
		43887006			
		43887005			
		44452611			
		44452612			
850.2200	Acute Avian Dietary Toxicity	42770229		OLD	See endnote <sup>10</sup>
		42770230			
		44452613			
850.2400	Wild Mammal Toxicity				Not required
850.2300	Avian Reproductive Toxicity	43492811		OLD	See endnote <sup>11</sup>
		43492813			
850.2500	Simulated or Actual Field Testing				Not required <sup>12</sup>

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**DATA MATRIX**

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Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560		Product ARG Chlorfenapyr TGA1

**Ingredient Chlorfenapyr (CAS No. 122453-73-0)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	Freshwater Fish Toxicity	42770231 42807801 44364801 43492815 43492819		OLD OLD OLD OLD OLD	See endnote <sup>13</sup>
850.1010	Freshwater Invertebrate Toxicity	42770232 43887009		OLD OLD	See endnote <sup>14</sup>
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	43492816 43492818		OLD OLD	See endnote <sup>15</sup>
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	43492822		OLD	See endnote <sup>16</sup>
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	43492821		OLD	See endnote <sup>17</sup>
850.1400	Fish Early Life Stage (Freshwater)	43492819		OLD	See endnote <sup>18</sup>
850.1400	Fish Early Life Stage (Saltwater)				Not required <sup>19</sup>
850.1500	Life Cycle Fish				Not required
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	42770245 43492852		OLD	See endnote <sup>20</sup>
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required <sup>21</sup>

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## DATA MATRIX

Date Feb. 19, 2016			EPA Reg No./File Symbol 87373-		Page 6 of 17
Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560			Product ARG Chlorfenapyr TGA1		
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required <sup>22</sup>
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required <sup>23</sup>
850.3020	Honey Bee Acute Contact Toxicity	42770233		OLD	See endnote <sup>24</sup>
850.3030	Honeybee Toxicity of Residues on Foliage	43492845		OLD	See endnote <sup>25</sup>
850.3040	Field Testing for Pollinators				Not required
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat	43492829		OLD	See endnote <sup>26</sup>
870.3100	90-Day Oral: Rodent	42770219		OLD	See endnote <sup>27</sup>
870.3150	90-Day Oral: Non-Rodent	42770220		OLD	See endnote <sup>28</sup>
870.3200	21/28-Day Dermal Toxicity	46654702	BASF Corporation	PAY	See endnote <sup>29</sup>
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity	46654701	BASF Corporation	PAY	See endnote <sup>30</sup>
870.6100	28-Day Delayed Neurotoxicity Hen				Not required
870.6200	90-Day Neurotoxicity	43492833		OLD	See endnote <sup>31</sup>
870.4100	Chronic Oral Rodent	43492837		OLD	See endnote <sup>32</sup>
870.4200	Carcinogenicity	43492837 43492838		OLD OLD	See endnote <sup>33</sup>

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## DATA MATRIX

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Applicant's/Registrant's Name & Address  Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560			Product  ARG Chlorfenapyr TGA1		
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700	Reproduction/Developmental Toxicity Screening Test	42770222 42884202		OLD OLD	See endnote <sup>34</sup>
870.3800	2-Generation Reproduction: Rat	43492836		OLD	See endnote <sup>35</sup>
870.6300	Developmental Neurotoxicity Study	46740201	BASF Corporation	PAY	See endnote <sup>36</sup>
870.5100	Bacterial Reverse Mutation Test	42770223		OLD	See endnote <sup>37</sup>
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	42770224 43187601 43492843		OLD OLD OLD	See endnote <sup>38</sup>
870.5385, 870.5395, 870.5450; 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	42770225 42770226 43492839 43187602		OLD OLD OLD OLD	See endnote <sup>39</sup>
870.7485	Metabolism and Pharmacokinetics	43492844		OLD	See endnote <sup>40</sup>
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	49315901	BASF Corporation	PAY	See endnote <sup>41</sup>
870.7800	Immunotoxicity	48867801	BASF Corporation	PAY	Waived <sup>42</sup>
875.1100	Dermal Exposure – Outdoor		Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>43</sup>

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Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1200	Dermal Exposure – Indoor	45137301		OLD	
875.1300	Inhalation Exposure – Outdoor		Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>43</sup>
875.1400	Inhalation Exposure - Indoor	45137301		OLD	
875.1500	Biological Monitoring		Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>43</sup>
875.1600	Data Reporting and Calculations		Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>43</sup>
875.1700	Product Use Information		Agricultural Handlers Exposure Task Force	OWN	See endnote <sup>43</sup>
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues	49503201	BASF Corporation	PAY	
875.2200	Soil Residue Dissipation		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>
875.2300	Indoor Surface Residue Dissipation		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>

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Applicant's/Registrant's Name & Address		Product			
Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560		ARG Chlorfenapyr TGA!			
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2400	Dermal Exposure		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>
875.2500	Inhalation Exposure		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>
875.2600	Biological Monitoring		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>
875.2700	Product Use Information		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>
875.2800	Descriptions of Human Activity		Outdoor Residential Exposure Task Force Agricultural Re-Entry Task Force	OWN OWN	See endnote <sup>44</sup>

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Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2900	Data Reporting and Calculations		Outdoor Residential Exposure Task Force	OWN	See endnote <sup>44</sup>
			Agricultural Re-Entry Task Force	OWN	
875.3000	Nondietary Ingestion Exposure		Outdoor Residential Exposure Task Force	OWN	See endnote <sup>44</sup>
			Agricultural Re-Entry Task Force	OWN	
201-1	Droplet Size Spectrum				Not required <sup>45</sup>
202-1	Droplet Size Spectrum				Not required <sup>45</sup>
850.4100	Tier 1: Seedling Emergence				Not required <sup>46</sup>
850.4150	Tier 1: Vegetative Vigor				Not required <sup>46</sup>
850.4400, 850.5400	Tier 1: Aquatic Plant Growth				Not required <sup>46</sup>
850.4100	Tier 2: Seedling Emergence				Not required <sup>46</sup>
850.4150	Tier 2: Vegetative Vigor				Not required <sup>46</sup>
850.4400, 850.5400	Tier 2: Aquatic Plant Growth				Not required <sup>46</sup>
850.4300	Terrestrial Field				Not required <sup>46</sup>
850.4450	Aquatic Field				Not required <sup>46</sup>

Signature



Name and Title

Ann M. Tillman, Agent

Date

Feb. 19, 2016

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Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560		ARG Chlorfenapyr TGA1			
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4025	Target Area Phytotoxicity				Not required <sup>46</sup>
835.2120	Hydrolysis	42770240		OLD	
835.2240	Photodegradation in Water	42770241 43492846 43904201		OLD OLD OLD	
835.2410	Photodegradation in Soil	42770242		OLD	
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	42770243 43887002 44452621		OLD OLD OLD	
835.4200	Anaerobic Soil Metabolism	43492847		OLD	
835.4300	Aerobic Aquatic Metabolism	43904202		OLD	
835.4400	Anaerobic Aquatic Metabolism	43904202		OLD	
835.1230; 835.1240	Leaching/Adsorption/Desorption	42770244 43492848 43492849		OLD OLD OLD	
835.1410	Volatility – Laboratory				Not required
835.8100	Volatility – Field				Not required

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 19, 2016
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

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## DATA MATRIX

Date Feb. 19, 2016			EPA Reg No./File Symbol 87373-		Page 12 of 17
Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560			Product ARG Chlorfenapyr TGA1		
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.6100	Soil Field Dissipation Study				Not required <sup>47</sup>
835.6200	Aquatic Sediment Field Dissipation Study				Not required <sup>48</sup>
835.6300	Forest Field Dissipation Study				Not required <sup>49</sup>
835.6400	Combination and Tank Mixes				Not required <sup>50</sup>
835.7100	Ground Water Monitoring				Not required <sup>51</sup>
850.6100	Environmental Chemistry Methods				Not required <sup>52</sup>
N/A	Evaluation of Chlorfenapyr Degradation in Compost				Not required <sup>53</sup>
860.1300	Nature of the Residue: Plants	42770234 43492853 43622101 43638901 43753601		OLD OLD OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	42770235 42770236 43492854 43492855		OLD OLD OLD OLD	
860.1850	Confined Rotational Crops				Not required <sup>54</sup>

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 19, 2016
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## DATA MATRIX

Date Feb. 19, 2016		EPA Reg No./File Symbol 87373-		Page 13 of 17	
Applicant's/Registrant's Name & Address		Product			
Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560		ARG Chlorfenapyr TGA1			
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	42770237	BASF Corporation	OLD	
		43492857		OLD	
		43622102		OLD	
		43638902		OLD	
		43753602		OLD	
		43835901		OLD	
		43996202		OLD	
		44084001		OLD	
		45085103		OLD	
		45147401		OLD	
		45923401	PAY		
860.1360	Multiresidue Method	43492856		OLD	
860.1380	Storage Stability	43492858		OLD	
		43622103		OLD	
		43638903		OLD	
		43700701		OLD	
		43753603		OLD	
		43835902		OLD	
		43996203		OLD	
		45119803		OLD	
Signature		Name and Title		Date	
		Ann M. Tillman, Agent		Feb. 19, 2016	

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## DATA MATRIX

Date Feb. 19, 2016			EPA Reg No./File Symbol 87373-		Page 14 of 17
Applicant's/Registrant's Name & Address Argite, LLC 1204 Village Market Place, #273 Morrisville, NC 27560			Product ARG Chlorfenapyr TGA1		
Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: fruiting vegetables (greenhouse use only)	43753604 43996204		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato (greenhouse use only)	43753604 43996204 45119802 45119804		OLD OLD OLD OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	43492859 44560302		OLD OLD	
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments	44844101		OLD	
860.1900	Field Rotational Crops				Not required <sup>65</sup>

Signature



Name and Title

Ann M. Tillman, Agent

Date

Feb. 19, 2016



## Endnotes for ARG Chlorfenapyr TGAI Data Matrix

- <sup>1</sup> **830.1650** – Per OPPTS 830.1000, these data are not required for the registration of a technical product. See 830.1620 for production information.
- <sup>2</sup> **830.6315 – Flammability:** Argite, LLC requests a waiver from the requirement of this data requirement since ARG Chlorfenapyr TGAI is a solid and does not contain flammable components. Please refer to the Confidential Statement of Formula for ARG Chlorfenapyr TGAI.
- <sup>3</sup> **830.6316 – Explodability:** Argite, LLC requests a waiver from this data requirement because chlorfenapyr does not have the chemical bonds or functional groups associated with explosive chemicals.
- <sup>4</sup> **830.6319 – Miscibility:** This data requirement is required when the product is an emulsifiable liquid and to be diluted with petroleum solvents. ARG Chlorfenapyr TGAI is a solid technical material and therefore this data requirement is not applicable.
- <sup>5</sup> **830.6321 – Dielectric Breakdown Voltage:** These data are not required unless the product is an end-use product.
- <sup>6</sup> **830.7100 – Viscosity:** These data are required when the TGAI is a liquid.
- <sup>7</sup> **830.7220 – Boiling Point:** These data are required when the TGAI is a liquid.
- <sup>8</sup> **830.7520 – Particle size, fiber length, diameter distribution:** Argite, LLC is seeking a waiver for Particle Size, Fiber Length, and Diameter Distribution for ARG Chlorfenapyr TGAI because the product is not a fibrous material or a water-insoluble material.
- <sup>9</sup> **850.2100** – MRID Numbers 42770227 and 42770228 are acceptable and satisfy the data requirement as per the May 11, 2010 Registration Review – Preliminary Problem Formulation for Ecological Risk, Environmental Fate, and Endangered Species Assessments for Chlorfenapyr (PC code 129093; DP Barcode 373109) (Problem Formulation). Although the Problem Formulation did note that MRID 43887004 was supplemental and not required, this study is cited. Supplemental data with metabolites of chlorfenapyr are also cited.
- <sup>10</sup> **850.2200** – MRID Numbers 42770229 and 42770230 are acceptable and satisfy the data requirement as per the Problem Formulation. Although the Problem Formulation did note that MRID 44452613 was supplemental and not required, this study is cited.
- <sup>11</sup> **850.2300** – The studies cited satisfy the data requirement as per the Problem Formulation.
- <sup>12</sup> **850.2500** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>13</sup> **850.1075** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation. In addition, the Oct. 28, 2010 Response to Comments on the Preliminary Problem Formulation for Chlorfenapyr (DP Barcode 382822) (EFED Response to Comments) stated that, based on the limited use pattern, degrade acute freshwater fish toxicity data are not required. Nevertheless, previously submitted acute data were cited here. Note: MRID 43492815 appears to have been incorrectly listed in the Problem Formulation as MRID 42807815; the correct MRID is cited here.
- <sup>14</sup> **850.1010** – The studies cited are acceptable and satisfy the data requirement for parent chlorfenapyr as per the Problem Formulation.
- <sup>15</sup> **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – Although these data are not required for the limited use pattern of ARG Chlorfenapyr TGAI, acceptable data listed in the Problem Formulation are cited. In addition, the EFED Response to Comments stated that, based on the limited use pattern, oyster acute toxicity data are not required.
- <sup>16</sup> **850.1300** – Although these data are not required for the limited use pattern of ARG Chlorfenapyr TGAI, acceptable data listed in the Problem Formulation are cited.
- <sup>17</sup> **850.1350** – Although these data are not required for the limited use pattern of ARG Chlorfenapyr TGAI, data listed in the Problem Formulation are cited.
- <sup>18</sup> **850.1400** – Although these data are not required for the limited use pattern of ARG Chlorfenapyr TGAI, acceptable data listed in the Problem Formulation are cited.
- <sup>19</sup> **850.1400** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.

## Endnotes for ARG Chlorfenapyr TGAI Data Matrix

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- <sup>20</sup> **850.1710, 850.1730, 850.1850** – Although, these data are not required for the limited use pattern of ARG Chlorfenapyr TGAI, data previously submitted are cited.
- <sup>21</sup> **850.1950** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>22</sup> **850.1735** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>23</sup> **850.1740** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>24</sup> **850.3020** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation.
- <sup>25</sup> **850.3030** – Although these data are not required as per the limited use pattern of ARG Chlorfenapyr TGAI, data listed in the Problem Formulation are cited.
- <sup>26</sup> **870.6200** – The study cited is acceptable and satisfies the data requirement as per the May 22, 2014 Chlorfenapyr – Preliminary Human Health Risk Assessment for Registration (DP Barcode D416560) (Human Health RA).
- <sup>27</sup> **870.3100** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>28</sup> **870.3150** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>29</sup> **870.3200** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>30</sup> **870.3465** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>31</sup> **870.6200** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>32</sup> **870.4100** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>33</sup> **870.4200** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- <sup>34</sup> **870.3700** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- <sup>35</sup> **870.3800** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>36</sup> **870.6300** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>37</sup> **870.5100** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>38</sup> **870.5300, 870.5375** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- <sup>39</sup> **870.5385, 870.5395, 870.5450, 870.5550** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- <sup>40</sup> **870.7485** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>41</sup> **870.7600** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- <sup>42</sup> **870.7800** – These data were waived as per the Human Health RA.
- <sup>43</sup> **875.1100, 875.1300, 875.1500, 875.1600, 875.1700**: Argite, LLC is a member in good standing with the Agricultural Handler Exposure Task Force.
- <sup>44</sup> **875.2200, 875.2300, 875.2400, 875.2500, 875.2600, 875.2700, 875.2800, 875.2900, 875.3000**: Argite, LLC is a member in good standing with the Outdoor Residential Exposure Task Force and Agricultural Re-Entry Task Force.
- <sup>45</sup> **201-1, 202-1** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>46</sup> **850.4100, 850.4150, 850.4400, 850.5400, 850.4300, 850.4450, 850.4025** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>47</sup> **835.6100** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>48</sup> **835.6200** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>49</sup> **835.6300** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>50</sup> **835.6400** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.
- <sup>51</sup> **835.7100** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGAI.

## Endnotes for ARG Chlorfenapyr TGA1 Data Matrix

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<sup>52</sup> **850.6100** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGA1.

<sup>53</sup> **N/A** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGA1.

<sup>54</sup> **860.1850** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGA1.

<sup>55</sup> **860.1900** – These data are not required for the limited use pattern of ARG Chlorfenapyr TGA1.

# ARG Chlorfenapyr TGAI

TECHNICAL PRODUCT FOR FORMULATING USE ONLY

## ACTIVE INGREDIENTS:

Chlorfenapyr\*

98.2%

## OTHER INGREDIENTS:

1.8%

## TOTAL

100.0%

\*4-Bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile

## KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment. You may also contact 1-844-685-9173 24-hours a day for emergency medical treatment information. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ).	

For Chemical Spill, Leak, Fire, or Exposure, call: CHEMTREC 1-800-424-9300

## Manufactured for:

Argite, LLC  
1204 Village Market Place, #273  
Morrisville, NC 27560

EPA Reg. No. 87373-

EPA Est. No.

Net Weight:

Batch No.:

DOCUMENT

1.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing dust. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

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### PHYSICAL AND CHEMICAL HAZARDS

DO NOT mix or store this product or solutions of this product in unlined steel or aluminum containers.

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### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.

Only for formulation into end-use products labeled for the following uses:

- 1) Ornamental crops grown in commercial greenhouses; fruiting vegetable crops grown in commercial greenhouses; in and around buildings for termite and general pest control;
- 2) uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label;
- 3) uses for experimental purposes that are in compliance with USEPA requirements.

Each formulator is responsible for obtaining EPA registration for their end-use product(s).

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store product in original container. Store in a well-ventilated area away from other pesticides, fertilizer, food or feed.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**Fiber drums with liner:** Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of inner liner in sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner, or offer drum for recycling, if available.

**Kraft Bags (flexible):** Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of bag in sanitary landfill or by incineration if allowed by State and local authorities.

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### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Direction for Use of this Product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Argite, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Argite, LLC and Seller harmless for any claims relating to such factors.

Argite, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Argite, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARGITE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Argite, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ARGITE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ARGITE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Argite, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Argite, LLC.

[EPA approval date]

